

SEQUENCE LISTING

<110> Cohen, Patricia T.W.
Armstrong, Christopher G.
Doherty, Martin J.

<120> Protein Domains in the Hepatic Glycogen-Targetting
Subunit of Protein Phosphatase 1 and Methods of Making
and Using The Same

<130> 002.00140

<140> US 09/763,848
<141> 2001-09-26

<150> PCT/GB99/02761
<151> 1999-08-19

<150> GB 9818650.5
<151> 1998-08-27

<160> 12

<170> PatentIn Ver. 2.1

<210> 1
<211> 16
<212> PRT
<213> Rattus sp.

<400> 1
Pro Glu Trp Pro Ser Tyr Leu Gly Tyr Glu Lys Leu Gly Pro Tyr Tyr
1 5 10 15

<210> 2
<211> 4
<212> PRT
<213> Rattus sp.

<400> 2
Arg Val Ser Phe
1

<210> 3
<211> 13
<212> PRT

<213> Rattus sp.

<400> 3

Pro Pro Val Val Lys Arg Gln Lys Thr Lys Val Lys Phe
1 5 10

<210> 4

<211> 18

<212> PRT

<213> Rattus sp.

<400> 4

Thr Val Gln Glu Lys Lys Val Lys Lys Arg Val Ser Phe Ala Asp Gln
1 5 10 15

Gly Leu

<210> 5

<211> 11

<212> PRT

<213> Rabbit

<400> 5

Gly Arg Arg Val Ser Phe Ala Asp Asn Phe Gly
1 5 10

<210> 6

<211> 100

<212> PRT

<213> Rattus sp.

<400> 6

Val Cys Leu Glu Asn Cys Val Leu Lys Glu Lys Ala Ile Ala Gly Thr
1 5 10 15

Val Lys Val Gln Asn Leu Ala Phe Glu Lys Val Val Lys Ile Arg Met
20 25 30

Thr Phe Asp Thr Trp Lys Ser Phe Thr Asp Phe Pro Cys Gln Tyr Val
35 40 45

Lys Asp Thr Tyr Ala Gly Ser Asp Arg Asp Thr Phe Ser Phe Asp Ile
50 55 60

Ser Leu Pro Glu Lys Ile Gln Ser Tyr Glu Arg Met Glu Phe Ala Val
65 70 75 80

Cys Tyr Glu Cys Asn Gly Gln Ser Tyr Trp Asp Ser Asn Lys Gly Lys
85 90 95

Asn Tyr Arg Ile
100

<210> 7

<211> 100

<212> PRT

<213> Homo sapiens

<400> 7

Val Cys Leu Glu Asn Cys Ser Leu Gln Glu Arg Thr Val Thr Gly Thr
1 5 10 15

Val Lys Val Lys Asn Val Ser Phe Glu Lys Lys Val Gln Ile Arg Ile
20 25 30

Thr Phe Asp Ser Trp Lys Asn Tyr Thr Asp Val Asp Cys Val Tyr Met
35 40 45

Lys Asn Val Tyr Gly Thr Asp Ser Asp Thr Phe Ser Phe Ala Ile
50 55 60

Asp Leu Pro Pro Val Ile Pro Thr Glu Gln Lys Ile Glu Phe Cys Ile
65 70 75 80

Ser Tyr His Ala Asn Gly Gln Val Phe Trp Asp Asn Asn Asp Gly Gln
85 90 95

Asn Tyr Arg Ile
100

<210> 8

<211> 101

<212> PRT

<213> Homo sapiens

<400> 8

Val Cys Leu Glu Arg Val Thr Cys Ser Asp Leu Gly Ile Ser Gly Thr
1 5 10 15

Val Arg Val Cys Asn Val Ala Phe Glu Lys Gln Val Ala Val Arg Tyr

20

25

30

Thr Phe Ser Gly Trp Arg Ser Thr His Glu Ala Val Ala Arg Trp Arg
35 40 45

Gly Pro Ala Gly Pro Glu Gly Thr Glu Asp Val Phe Thr Phe Gly Phe
50 55 60

Pro Val Pro Pro Phe Leu Leu Glu Leu Gly Ser Arg Val His Phe Ala
65 70 75 80

Val Arg Tyr Gln Val Ala Gly Ala Glu Tyr Trp Asp Asn Asn Asp His
85 90 95

Arg Asp Tyr Ser Leu
100

<210> 9

<211> 102

<212> PRT

<213> Homo sapiens

<400> 9
Ala Ile Leu Glu Ser Thr Glu Ser Leu Leu Gly Ser Thr Ser Ile Lys
1 5 10 15

Gly Ile Ile Arg Val Leu Asn Val Ser Phe Glu Lys Leu Val Tyr Val
20 25 30

Arg Met Ser Leu Asp Asp Trp Gln Thr His Tyr Asp Ile Leu Ala Glu
35 40 45

Tyr Val Pro Asn Ser Cys Asp Gly Glu Thr Asp Gln Phe Ser Phe Lys
50 55 60

Ile Val Leu Val Pro Pro Tyr Gln Lys Asp Gly Ser Lys Val Glu Phe
65 70 75 80

Cys Ile Arg Tyr Glu Thr Ser Val Gly Thr Phe Trp Ser Asn Asn Asn
85 90 95

Gly Thr Asn Tyr Thr Phe
100

<210> 10

<211> 117

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 10

Val Lys Leu His Ser Leu Thr Gln Leu Gly Asp Asp Ser Ser Lys Ile
1 5 10 15

Thr Gly Leu Val Tyr Val Lys Asn Leu Ser Phe Glu Lys Tyr Leu Glu
20 25 30

Ile Lys Phe Thr Phe Asn Ser Trp Arg Asp Ile His Tyr Val Thr Ala
35 40 45

Asn Phe Asn Arg Thr Ile Asn Ser Asn Val Asp Glu Phe Lys Phe Thr
50 55 60

Ile Asp Leu Asn Ser Leu Lys Tyr Ile Leu Ile Lys Arg Ile Ile
65 70 75 80

Thr Met Glu Lys Asn Thr Ser Ser Cys Pro Leu Asn Ile Glu Leu Cys
85 90 95

Cys Arg Tyr Asp Val Asn Asn Glu Thr Tyr Tyr Asp Asn Asn Asn Gly
100 105 110

Lys Asn Tyr His Leu
115

<210> 11

<211> 96

<212> PRT

<213> *Rhizopus oryzae*

<400> 11

Val Gln Leu Asp Ser Tyr Asn Tyr Asp Gly Ser Thr Phe Ser Gly Lys
1 5 10 15

Ile Tyr Val Lys Asn Ile Ala Tyr Ser Lys Lys Val Thr Val Ile Tyr
20 25 30

Ala Asp Gly Ser Asp Asn Trp Asn Asn Asn Gly Asn Thr Ile Ala Ala
35 40 45

Ser Tyr Ser Ala Pro Ile Ser Gly Ser Asn Tyr Glu Tyr Trp Thr Phe
50 55 60

Ser Ala Ser Ile Asn Gly Ile Lys Glu Phe Tyr Ile Lys Tyr Glu Val

65

70

75

80

Ser Gly Lys Thr Tyr Tyr Asp Asn Asn Asn Ser Ala Asn Tyr Gln Val
85 90 95

<210> 12

<211> 40

<212> PRT

<213> Rabbit

<400> 12

Arg His Leu Gln Ile Ile Tyr Glu Ile Asn Gln Arg Phe Leu Asn Arg
1 5 10 15

Val Ala Ala Ala Phe Pro Gly Asp Val Asp Arg Leu Arg Arg Met Ser
20 25 30

Leu Val Glu Glu Gly Ala Cys Lys
35 40